THE Information Society

Volume 4

1986

An International Journal

Joseph Becker, *Editor*

Taylor & Francis
New York • Philadelphia • London

The Information Society

EDITOR-IN-CHIEF

Joseph Becker, President, Becker and Hayes, Inc.

ASSOCIATE EDITORS

David L. Holzman, *Holzman & Associates, Inc.*; Stephen J. Lukasik, *Northrop Research & Technology Center*; Richard O. Mason, *Southern Methodist University*.

ADVISORY BOARD

William O. Baker, *Bell Telephone Laboratories, Inc.*; Vincent Barabba, *Eastman Kodak Co.*; Lewis M. Branscomb, *IBM*; C. West Churchman, *University of California-Berkeley*; Charles DeCarlo, *New York, New York*; James Grier Miller, *UCLA and University of California-San Diego*.

EDITORIAL BOARD

Marvin Adelson, *University of California, Los Angeles*; Anne W. Branscomb, *American Bar Association, Science & Technology Section*; Robert L. Chartrand, *Library of Congress*; John Eger, *CBS, Inc.*; Rob Kling, *University of California-Irvine*; J. C. R. Licklider, *Massachusetts Institute of Technology*; Edwin B. Parker, *Equatorial Communications Company*; Jurgen Reese, *University Kassel*; Howard L. Resnikoff, *Aware, Inc., Cambridge, MA*; Russell Shank, *UCLA University Library*; Robert Spinrad, *Xerox Coporation*; G. P. Sweeney, *Institute for Industrial Research & Standards (Dublin)*; Edward K. Zimmerman, *Management Consultant*.

Abstracted and/or indexed in: Computer Contents; Current Index of Computer Literature; Information Science Abstracts; INSPEC; PAIS Bulletin; Referativnyi Zhurnal.

Editorial Office: Joseph Becker, Becker and Hayes, Inc., 2800 Olympic Boulevard, Santa Monica, CA 90404.

Publishing, Advertising and Subscription Offices: Taylor & Francis, 3 East 44th Street, New York, NY 10017; or Taylor & Francis Ltd, Rankine Road, Basingstoke, Hampshire RG24 0PR, England.

The Information Society (ISSN 0197-2243) is published quarterly. Annual subscription 1987 (Volume 5) £44 $66 DM176. Personal subscription (payable by personal cheque) £24 $37 DM96.

Dollar rates apply to the USA, Canada and Mexico; Deutschmark rates to FR Germany; sterling rates to the UK and all other areas. All subscriptions are payable in advance and all rates include postage. Journals are sent by air to the USA, Canada, Mexico, India and Australasia at no extra cost. Subscriptions are entered on an annual basis, i.e. January to December. Payment may be made by sterling cheque, dollar cheque, international money order, National Giro, or credit card (AMEX, VISA, Mastercard/Access).

Application to mail at second-class postage rate is pending at Jamaica, New York 11431.

US Postmaster: Send address changes to *The Information Society*, Publications Expediting, Inc., 200 Meacham Avenue, Elmont, New York 11003.

Airfreight and mailing in the USA by Publications Expediting Inc., 200 Meacham Avenue, Elmont, New York 11003.

Orders originating in the following territories should be sent direct to the local distributor. .
Australia—R. Hill & Son Ltd, 117 Wellington Street, Windsor, Victoria 3181.
India—Universal Subscription Agency Pvt. Ltd, 101-102 Community Centre, Malviya Nagar Extn, Post Bag No. 8, Saket, New Delhi.
Japan—Kinokuniya Company Ltd, Journal Department, PO Box 55, Chitose, Tokyo 156.
New Zealand—R. Hill & Son Ltd, Private Bag, Newmarket, Auckland 1.
USA, Canada and Mexico—Taylor & Francis, Inc., 242 Cherry Street, Philadelphia, PA 19106-1906.
UK and all other territories—Taylor & Francis Ltd, Rankine Road, Basingstoke, Hampshire RG24 0PR.

Copyright

The appearance of the code at the bottom of the first page of each article in this Journal indicates the copyright owner's consent that a single copy of the article may be made for personal use. This consent is given on the condition that for multiple copies the copier pay a fee of $3·00 per copy through the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. No part of this publication may be stored in an electronic retrieval system or transmitted electronically without the prior written permission of the publisher.

Copyright © 1986 Taylor & Francis.

Author Index

Becker, Joseph, 221
Branscomb, Anne W., 279
Calhoun, Craig, 115
Clement, Andrew, 109
Edfelt, Ralph, 187
Hepworth, Mark E., 205
Holzman, David L., 101
Karunaratne, Neil Dias, 313
Katz, Raul L., 231
Kling, Rob, 1
Laudon, Kenneth C., 87
Lowi, Theodore J., 91
Lytel, David, 91
Montes, Felix, 65
Renaud, Jean Luc, 145
Schiller, Herbert I., 123
Sterling, Theodor D., 9, 127
Turner, Jon A., 53
Weingarten, Fred W., 49

Article Index

Analytics of Information and Empirics of the Information Economy, 313
Democracy in an Information Society, 9
"Democracy in an Information Society," Comments on, 49, 109, 115, 123
  Computers and Common Sense, 101
  Dossier Society, the, 87
  Making It a Real Revolution, 91
  Projecting Impacts from Trajectories of Emerging Technologies, the Difficulty of, 53
  Prospects for the Era of Computing—A Critical Analysis, 65
Democracy in an Information Society: A Rejoinder, 127
Democracy in an Information Society, the Struggles for, 1
Geography of Economic Opportunity in the Information Society, the, 205
Information Technology: Prospects and Implications, 221
Law and Culture in the Information Society, 279
Measurement and Cross-National Comparisons of the Information Work Force, 231
Telematics, Public Policy, and Economic Development with Special Reference to Brazilian Protectionism, 187
Transborder Data Flows, a Conceptual Framework for the Examination of, 145

Contents

The Struggles for Democracy in an Information Society
Rob Kling 1

Democracy in an Information Society
Theodor D. Sterling 9

Comments on "Democracy in an Information Society"
Fred W. Weingarten 49

Comments on "Democracy in an Information Society":
The Difficulty of Projecting Impacts from Trajectories of Emerging Technologies
Jon A. Turner 53

Comments on "Democracy in an Information Society":
Prospects for the Era of Computing—A Critical Analysis
Felix Montes 65

Comments on "Democracy in an Information Society":
The Dossier Society
Kenneth C. Laudon 87

Comments on "Democracy in an Information Society":
Making It a Real Revolution
Theodore J. Lowi and David Lytel 91

Comments on "Democracy in an Information Society":
Computers and Common Sense
David L. Holzman 101

Comments on "Democracy in an Information Society"
Andrew Clement 109

Comments on "Democracy in an Information Society"
Craig Calhoun 115

Comments on "Democracy in an Information Society"
Herbert I. Schiller 123

Democracy in an Information Society: A Rejoinder
Theodor D. Sterling 127

A Conceptual Framework for the Examination of Transborder Data Flows
Jean-Luc Renaud 145

Telematics, Public Policy, and Economic Development with Special Reference to Brazilian Protectionism
Ralph Edfelt 187

The Geography of Economic Opportunity in the Information Society
Mark E. Hepworth 205

Information Technology: Prospects and Implications
Joseph Becker 221

Measurement and Cross-National Comparisons of the Information Work Force
Raul L. Katz 231

Law and Culture in the Information Society
Anne W. Branscomb 279

Analytics of Information and Empirics of the Information Economy
Neil Dias Karunaratne 313